

ABSTRACT OF THE DISCLOSURE

The present invention facilitates the stabilization of the fuel flow rate in a single fuel system carburetor in which bleed air, mixed with fuel, is controlled by a metering needle moving in response to the movement of a throttle valve and the mixture is discharged into an intake channel. The present invention is directed to a carburetor in which an effective surface area of a metering hole is adjusted by a metering needle moving in response to the movement of a throttle valve, and the fuel introduced into a mixing chamber from a constant-fuel chamber under flow rate control with a metering hole is mixed with bleed air and discharged into an intake channel from a nozzle orifice. The mixing chamber has a volume providing for absorption and relaxation of changes in the negative pressure acting upon the nozzle orifice, the fuel is sucked in under stabilized negative pressure, and the air-fuel mixture with a preset air/fuel ratio is supplied over the entire operation range of the engine.